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* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page for STN Seminar Schedule - N. America
NEWS 2 AUG 06 CAS REGISTRY enhanced with new experimental property tags
NEWS 3 AUG 06 FSTA enhanced with new thesaurus edition
NEWS 4 AUG 13 CA/CAPLUS enhanced with additional kind codes for granted patents
NEWS 5 AUG 20 CA/CAPLUS enhanced with CAS indexing in pre-1907 records
NEWS 6 AUG 27 Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS 7 AUG 27 USPATOLD now available on STN
NEWS 8 AUG 28 CAS REGISTRY enhanced with additional experimental spectral property data
NEWS 9 SEP 07 STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS 10 SEP 13 FORIS renamed to SOFIS
NEWS 11 SEP 13 INPADOCDB enhanced with monthly SDI frequency
NEWS 12 SEP 17 CA/CAPLUS enhanced with printed CA page images from 1967-1998
NEWS 13 SEP 17 CAPLUS coverage extended to include traditional medicine patents
NEWS 14 SEP 24 EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 15 OCT 02 CA/CAPLUS enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS 16 OCT 19 BEILSTEIN updated with new compounds
NEWS 17 NOV 15 Derwent Indian patent publication number format enhanced
NEWS 18 NOV 19 WPIX enhanced with XML display format
NEWS 19 NOV 30 ICSD reloaded with enhancements
NEWS 20 DEC 04 LINPADOCDB now available on STN
NEWS 21 DEC 14 BEILSTEIN pricing structure to change
NEWS 22 DEC 17 USPATOLD added to additional database clusters
NEWS 23 DEC 17 IMSDRUGCONF removed from database clusters and STN
NEWS 24 DEC 17 DGENE now includes more than 10 million sequences
NEWS 25 DEC 17 TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment
NEWS 26 DEC 17 MEDLINE and LMEMLINE updated with 2008 MeSH vocabulary
NEWS 27 DEC 17 CA/CAPLUS enhanced with new custom IPC display formats
NEWS 28 DEC 17 STN Viewer enhanced with full-text patent content from USPATOLD

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items

NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 11:36:04 ON 29 DEC 2007

=> file reg

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 0.21 | 0.21 |

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STRUCTURE FILE UPDATES: 28 DEC 2007 HIGHEST RN 959740-17-1

DICTIONARY FILE UPDATES: 28 DEC 2007 HIGHEST RN 959740-17-1

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TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

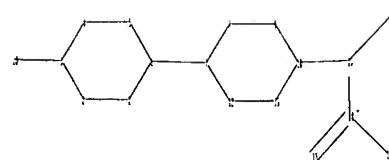
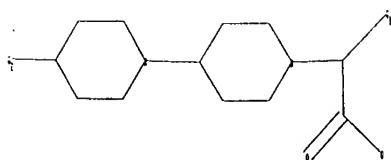
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10508332\Struc 1.str



chain nodes :

13 14 15 16 18 20

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12

chain bonds :

3-20 6-7 10-13 13-14 13-18 14-15 14-16

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12

exact/norm bonds :

1-2 1-6 2-3 3-4 3-20 4-5 5-6 6-7 7-8 7-12 8-9 9-10 10-11 10-13 11-12
13-18 14-15 14-16

exact bonds :

13-14

G1:Cb,Cy,Hy

G2:C,O,S,N

10508332.trn

Match level :

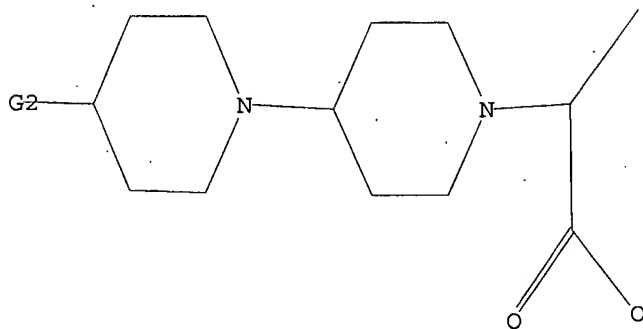
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11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 18:CLASS 20:CLASS

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



G1 Cb,Cy,Hy

G2 C,O,S,N

Structure attributes must be viewed using STN Express query preparation.

=> l1

SAMPLE SEARCH INITIATED 11:36:39 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 513 TO ITERATE

100.0% PROCESSED 513 ITERATIONS

1 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 8902 TO 11618

PROJECTED ANSWERS: 1 TO 80

L2 1 SEA SSS SAM L1

=> l1 full

FULL SEARCH INITIATED 11:36:42 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 10097 TO ITERATE

100.0% PROCESSED 10097 ITERATIONS

21 ANSWERS

SEARCH TIME: 00.00.01

L3 21 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE
ENTRY

TOTAL
SESSION

FULL ESTIMATED COST

172.10

172.31

FILE 'CAPLUS' ENTERED AT 11:36:46 ON 29 DEC 2007
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FILE COVERS 1907 - 29 Dec 2007 VOL 148 ISS 1
FILE LAST UPDATED: 28 Dec 2007 (20071228/ED)

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=> l3

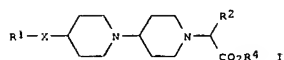
L4 1 L3

=> d ibib abs hitstr 1

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 ACCESSION NUMBER: 2003:757698 CAPLUS
 DOCUMENT NUMBER: 139:276821
 TITLE: Preparation of bipiperidines as modulators of chemokine receptor activity
 INVENTOR(S): Sanguan, Hitesh; Springthorpe, Brian
 PATENT ASSIGNEE(S): AstraZeneca AB, Swed.
 SOURCE: PCT Int. Appl., 32 pp.
 CODEN: PIXX02
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

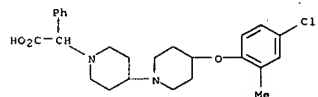
| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|--|----------|-----------------|------------|
| WO 2003078421 | A1 | 20030925 | WO 2003-SE442 | 20030317 |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | |
| RN: | GH, GM, KE, LS, MW, MZ, SD, SI, SZ, TZ, UG, ZM, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GH, GQ, GW, ML, MR, NE, SN, TD, TG | | | |
| AU 2003212769 | A1 | 20030929 | AU 2003-212769 | 20030317 |
| EP 1487817 | A1 | 20041222 | EP 2003-708798 | 20030317 |
| R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | |
| JP 2005526089 | T | 20050902 | JP 2003-576426 | 20030317 |
| US 2005182094 | A1 | 20050818 | US 2004-508332 | 20040917 |
| PRIORITY APPLN. INFO.: | | | SE 2002-843 | A 20020319 |
| | | | WO 2003-SE442 | W 20030317 |

OTHER SOURCE(S): MARPAT 139:276821
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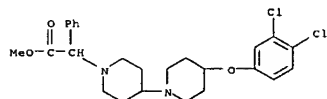


AB The title compds. [I: X = CH2, CO, O, S, SO, SO2, NR3; R1 = H, alkyl, aryl or heterocyclyl; R2 = (un)substituted cycloalkyl, cycloalkenyl, aryl or heterocyclyl; R3 = H, alkyl, Ph, etc.; R4 = H, alkyl, CH2Ph], useful in the treatment of a chemokine (such as CCR3) or H1 mediated disease state, were prepared Thus, reacting 4-(3,4-dichlorophenoxy)-1,4'-bipiperidine and bromo(phenyl)acetic acid in H2O afforded 4-(3,4-dichlorophenoxy)-u-

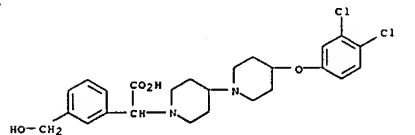
L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



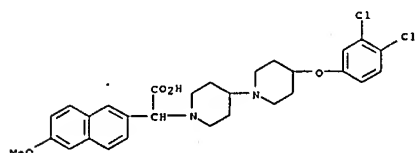
RN 606086-69-5 CAPLUS
 CN [1,4'-Bipiperidine]-1'-acetic acid, 4-(3,4-dichlorophenoxy)-u-phenyl, methyl ester (CA INDEX NAME)



RN 606086-70-8 CAPLUS
 CN [1,4'-Bipiperidine]-1'-acetic acid, 4-(3,4-dichlorophenoxy)-u-[3-(hydroxymethyl)phenyl]- (CA INDEX NAME)



RN 606086-71-9 CAPLUS
 CN [1,4'-Bipiperidine]-1'-acetic acid, 4-(3,4-dichlorophenoxy)-u-(6-methoxy-2-naphthalenyl)- (CA INDEX NAME)

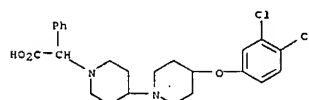


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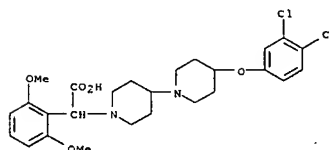
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L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 phenyl-[1,4'-bipiperidine]-1'-acetic acid which showed pK_i of 7.2 in histamine H1 receptor binding assay. The compds. I were also found to be antagonists of the eotaxin mediated human eosinophil chemotaxis. Pharmaceutical compn. comprising the compd. I was claimed.
 IT 606086-66-2P 606086-67-3P 606086-68-4P
 606086-69-5P 606086-70-8P 606086-71-9P
 606086-72-0P 606086-73-1P 606086-74-2P
 606086-75-3P 606086-76-4P 606086-77-5P
 606086-78-6P 606086-79-7P 606086-80-0P
 606086-81-1P 606086-82-2P 606086-83-3P
 606086-84-4P 606086-85-5P 606086-86-6P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(Preparation of bipiperidines as modulators of chemokine receptor activity)
 RN 606086-66-2 CAPLUS
 CN [1,4'-Bipiperidine]-1'-acetic acid, 4-(3,4-dichlorophenoxy)-u-phenyl- (CA INDEX NAME)

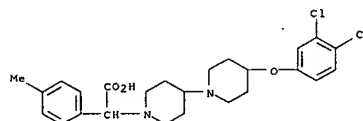


RN 606086-67-3 CAPLUS
 CN [1,4'-Bipiperidine]-1'-acetic acid, 4-(3,4-dichlorophenoxy)-u-(2,6-dimethoxyphenyl)- (CA INDEX NAME)

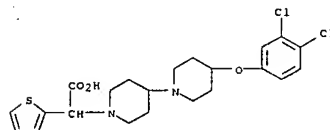


RN 606086-68-4 CAPLUS
 CN [1,4'-Bipiperidine]-1'-acetic acid, 4-(4-chloro-2-methylphenyl)-u-phenyl- (CA INDEX NAME)

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 CN [1,4'-Bipiperidine]-1'-acetic acid, 4-(3,4-dichlorophenoxy)-u-(4-methylphenyl)- (CA INDEX NAME)



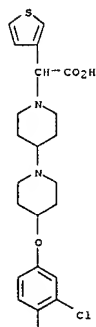
RN 606086-73-1 CAPLUS
 CN [1,4'-Bipiperidine]-1'-acetic acid, 4-(3,4-dichlorophenoxy)-u-2-thienyl- (CA INDEX NAME)



RN 606086-74-2 CAPLUS
 CN [1,4'-Bipiperidine]-1'-acetic acid, 4-(3,4-dichlorophenoxy)-u-3-thienyl- (CA INDEX NAME)

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

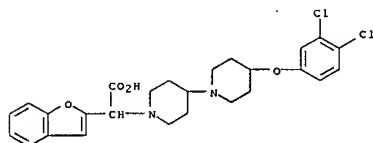
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PAGE 2-A



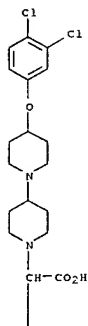
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 CN [1,4'-Bipiperidine]-1'-acetic acid, α -2-benzofuranyl-4-(3,4-dichlorophenoxy)- (CA INDEX NAME)



RN 606086-76-4 CAPLUS
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L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

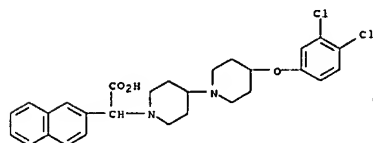
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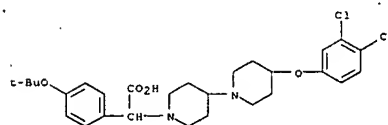
RN 606086-79-7 CAPLUS
 CN [1,4'-Bipiperidine]-1'-acetic acid, 4-(3,4-dichlorophenoxy)- α -2-naphthalenyl- (CA INDEX NAME)



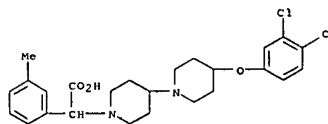
RN 606086-80-0 CAPLUS
 CN [1,4'-Bipiperidine]-1'-acetic acid, α -benzo[b]thien-2-yl-4-(3,4-dichlorophenoxy)- (CA INDEX NAME)

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L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

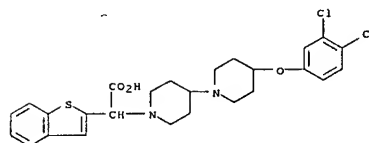


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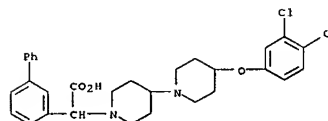


RN 606086-78-6 CAPLUS
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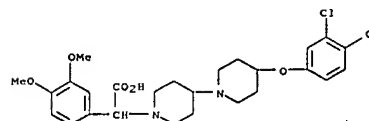
L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 606086-81-1 CAPLUS
 CN [1,4'-Bipiperidine]-1'-acetic acid, α -[1,1'-biphenyl]-3-yl-4-(3,4-dichlorophenoxy)- (CA INDEX NAME)

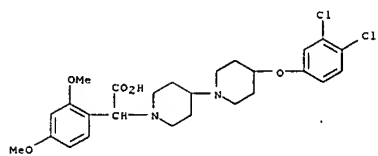


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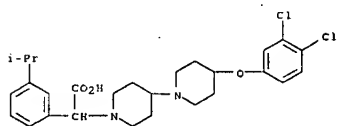


RN 606086-83-3 CAPLUS
 CN [1,4'-Bipiperidine]-1'-acetic acid, 4-(3,4-dichlorophenoxy)- α -(2,4-dimethoxyphenyl)- (CA INDEX NAME)

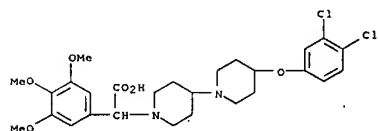
L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 606086-84-4 CAPLUS
CN [1,4'-Bipiperidine]-1'-acetic acid, 4-(3,4-dichlorophenoxy)-u-[3-(1-methylethyl)phenyl]- (CA INDEX NAME)

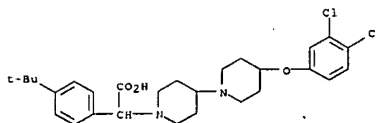


RN 606086-85-5 CAPLUS
CN [1,4'-Bipiperidine]-1'-acetic acid, 4-(3,4-dichlorophenoxy)-u-[3,4,5-trimethoxyphenyl]- (CA INDEX NAME)



RN 606086-86-6 CAPLUS
CN [1,4'-Bipiperidine]-1'-acetic acid, 4-(3,4-dichlorophenoxy)-u-[4-(1,1-dimethylethyl)phenyl]- (CA INDEX NAME)

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS
FORMAT RECORD. ALL CITATIONS AVAILABLE IN THE RE

Page 9

=> log h

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

5.74

178.05

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-0.78

-0.78

SESSION WILL BE HELD FOR 120 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 11:37:21 ON 29 DEC 2007